

Minutes of Pre-Bid Conference

DATE: Wednesday, June 2, 2010

TIME: 1:00pm

PROJECTS: Henderson County Bridge No. 56 (B-4145)
Contract Number: DO00066
WBS: 33494.3.1

LOCATION: Chief Engineers Conference Room, State Bridge Management Unit,
Raleigh, Wake County

A mandatory pre-bid conference was held for the above listed project. Mr. Zaki Wafa of the Bridge Management Unit conducted the pre-bid conference. Roster of the pre-bid attendees is posted online at:

http://www.ncdot.org/doh/operations/dp_chief_eng/maintenance/bridge/

under Project Lettings. The following are noted and are hereby made part of the contract:

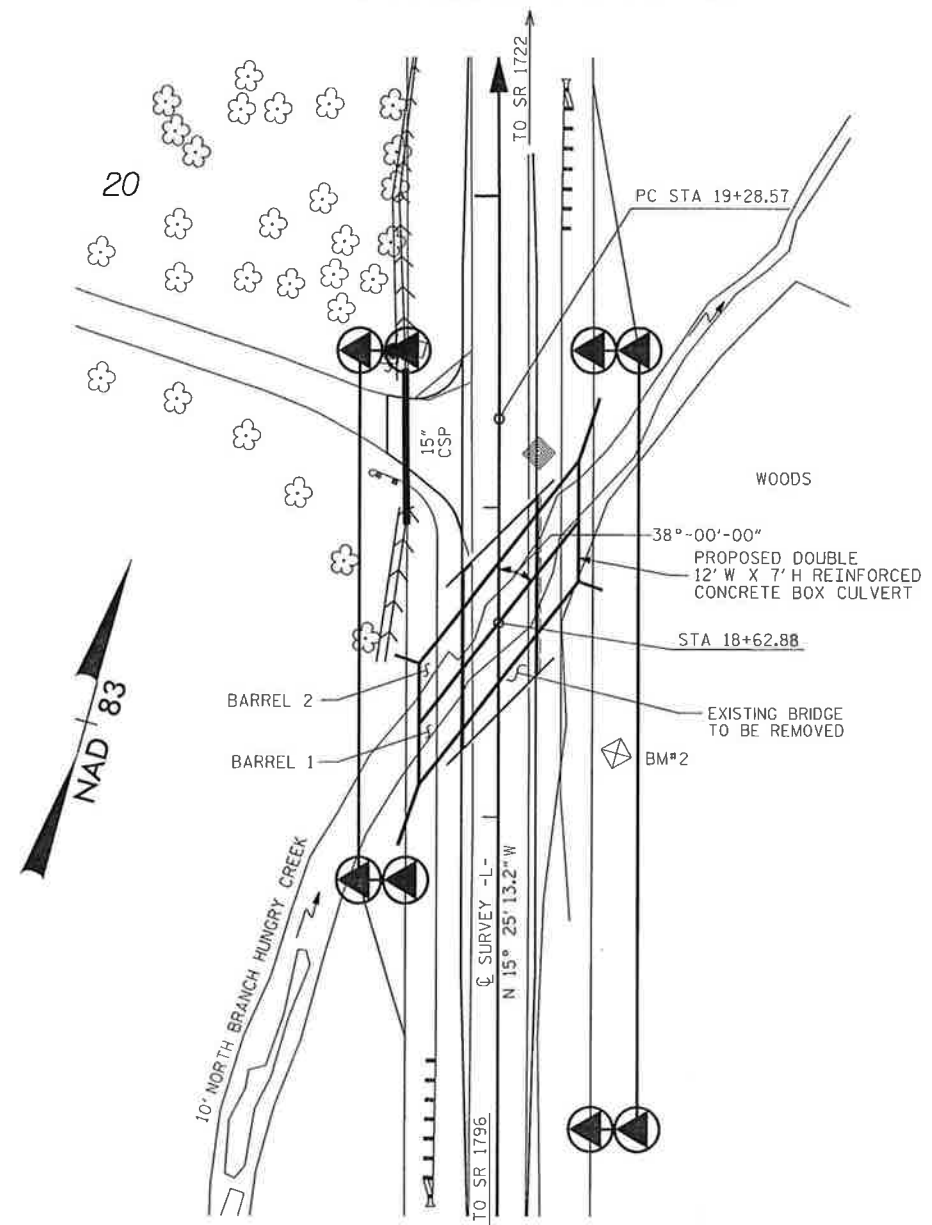
1. Page 6 of the bid document Scope of Work should read “This work shall consist of furnishing and installing a reinforced concrete box culvert...” instead of “This work shall consist of furnishing a prestressed cored slab bridge...”
2. The contractor’s attention is called to the fact that 4,000 psi concrete shall be utilized throughout the entire structure. Revised plan sheets 11, 15 & 16 were distributed showing this being the case and were given to the contractors in attendance.
3. The “Submittal of Working Drawings” special provision does not apply to this project. Any submittals of drawings necessary shall be sent to the State Bridge Management Unit Office.

AGP

cc: Prospective bidders
File

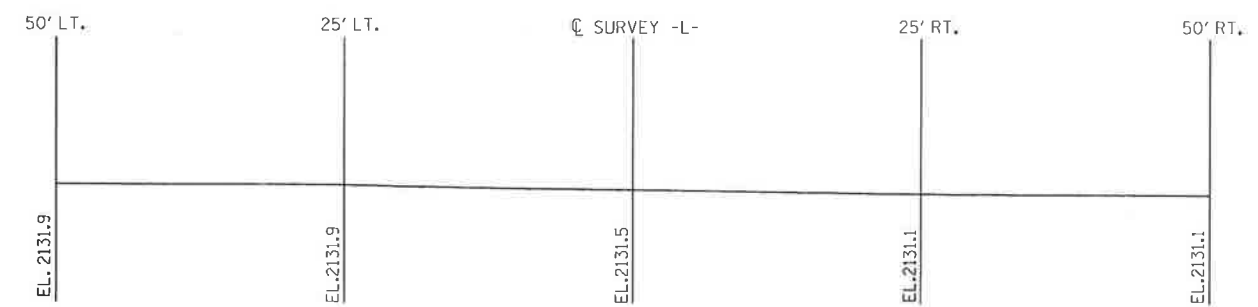
CONTRACT NO. D000066 (BRIDGE #56) TIP: B-4145

BM #2: 8" SPIKE IN BASE OF 18" RED OAK
 -L- STA. 18+20.67 37.98' RIGHT ELEV. 2148.05



LOCATION SKETCH

NOTE: FOR UTILITY INFORMATION, SEE UTILITY PLANS AND SPECIAL PROVISIONS.



PROFILE ALONG CULVERT

TOTAL STRUCTURE QUANTITIES	
4000 PSI CONCRETE	
BARREL @ 2.319 CY/FT	199.4 C.Y.
HEADWALLS, SILLS	9.7 C.Y.
WINGS ETC.	24.4 C.Y.
TOTAL	233.5 C.Y.
REINFORCING STEEL	
BARREL, HEADWALLS, SILLS	49,917 LBS.
WINGS ETC.	1,895 LBS.
TOTAL	51,812 LBS.
FOUNDATION CONDITIONING MATERIAL,	
BOX CULVERT	158 TONS
CULVERT EXCAVATION, STA. 18+62.88	LUMP SUM
REMOVAL OF EXISTING STRUCTURE	LUMP SUM

CULVERT HYDRAULIC DATA	
DESIGN DISCHARGE	= 650 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 2136.67 FT
BASE DISCHARGE	= 800 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 2137.27 FT
OVERTOPPING DISCHARGE	= 1750 CFS
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING ELEVATION	= 2140.87 FT
DATE OF SURVEY	= 2-3-2004
W.S. ELEVATION AT DATE OF SURVEY	= 2132.57 FT

NOTES

ASSUMED LIVE LOAD -----HS20-44 OR ALTERNATE LOADING.

DESIGN FILL-----2.23'

FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.

3"Ø WEEP HOLES INDICATED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.

THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE CARE OF THE FILL.

DIMENSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL EMBEDDED IN BARREL ARE SHOWN ON WING SHEET.

TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL, SPACED TO LIMIT THE POURS TO A MAXIMUM OF 70 FT. LOCATION OF JOINTS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.

AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALL AND BOTH FACES OF INTERIOR WALLS ABOVE LOWER WALL CONSTRUCTION JOINT. THE SPLICE LENGTH SHALL BE AS PROVIDED IN THE SPLICE LENGTH CHART SHOWN ON THE PLANS. EXTRA WEIGHT OF STEEL DUE TO THE SPLICES SHALL BE PAID FOR BY THE CONTRACTOR.

AT THE CONTRACTOR'S OPTION HE MAY SUBMIT, TO THE ENGINEER FOR APPROVAL, DESIGN AND DETAIL DRAWINGS FOR A PRECAST REINFORCED CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE CULVERT SHOWN ON THE PLANS. THE DESIGN SHALL PROVIDE THE SAME SIZE AND NUMBER OF BARRELS AS USED ON THE CAST-IN-PLACE DESIGN. FOR OPTIONAL PRECAST REINFORCED CONCRETE BOX CULVERT, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR CURING CONCRETE, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT 4000 PSI CONCRETE WILL BE UTILIZED THROUGHOUT THIS ENTIRE STRUCTURE.

CULVERT CONCRETE POUR SEQUENCE	
NOTE: COORDINATE THIS CONCRETE POUR SEQUENCE WITH THE CULVERT CONSTRUCTION SEQUENCE ON "EROSION CONTROL PLAN" SHEET 1 OF 5.	
1.	WING FOOTINGS AND FLOOR SLAB OF BARREL 1, INCLUDING 4" OF BARREL 1 WINGS, BARREL 1 EXTERIOR WALL, AND INTERIOR WALL.
2.	FULL HEIGHT OF BARREL 1 WINGS AND REMAINING PORTIONS OF BARREL 1 EXTERIOR WALL AND INTERIOR WALL.
3.	SILL IN BARREL 1.
4.	WING FOOTINGS AND FLOOR SLAB OF BARREL 2, INCLUDING 4" OF WINGS AND EXTERIOR WALL OF BARREL 2.
5.	FULL HEIGHT OF BARREL 2 WINGS AND REMAINING PORTION OF BARREL 2 EXTERIOR WALL.
6.	SILL IN BARREL 2.
7.	ROOF SLAB AND HEADWALLS.

WBS NO. 33494.3.1
 HENDERSON COUNTY
 STATION: 18+62.88 -L-
 SHEET 1 OF 7 REPLACES BRIDGE #56

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**DOUBLE 12 FT. X 7 FT.
 CONCRETE BOX CULVERT
 38° SKEW**

PLANS PREPARED BY:
SIMPSON ENGINEERS & ASSOCIATES
 5520 Dillard Drive
 Suite 120
 Cary, NC 27518
 (919) 852-0468
 (919) 852-0598 (Fax)
 www.simpsonengr.com
 LICENSURE NO. C2521



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			11
2			4			22

DRAWN BY: D. G. VESTER DATE: 3-10
 CHECKED BY: J. A. BATTIS DATE: 3-10

5/27/2010 11:07:04 AM g:\projects\hender\56\Drawings\Culvert\B4145_ss_cul_01.dgn

**OFFICIAL ROSTER OF PRE-BID CONFERENCE ATTENDEES
NCDOT- BRIDGE MANAGEMENT UNIT-POC**

DATE: Wednesday, June 2, 2010

TIME: 1:00 p.m.

BRIDGE REPLACEMENT CONTRACTS:

- | | |
|---|--|
| 1. Brunswick Co. Br. # 49, DO00039 (B-5215) | 4. Cherokee Co. Br. #173, DO00056 (B-5233) |
| 2. Brunswick Co. Br. # 58, DO00040 (B-5216) | 5. Clay Co. Br. #100, DO00057 (B-5234) |
| 3. Brunswick Co. Br. # 59, DO00041 (B-5217) | 6. Henderson Co. Br. #56, DO00066 (B-4145) |

* CIRCLE THE NUMBER CORRESPONDING TO THE PROJECT THAT YOU PLAN TO BID ON.

NAME	*PROJECT	COMPANY REPRESENTED AND ADDRESS	CONTACT INFORMATION
TIM LEE	1 2 3 4 5 6	T. A. LOVING COMPANY P.O. DRAWER 919 GOLDSBORO, NC 27533	Email: <u>tleee@taloving.com</u> Phone: <u>910 326 7084</u> Fax: <u>910 326 7648</u>
DAVID BARE	1 2 3 4 5 6	APPLE TUCK & ASSOC P.O. Box 904 RUTHERFORDTON NC 28139	Email: <u>appletuck@att.net</u> Phone: <u>828 287 3767</u> Fax: <u>828 287 2181</u>
EVAN MILLER	1 2 3 4 5 6	MILLER ENGINEERING Company Inc. P.O. Box 1047 MARION N.C. 28752	Email: _____ Phone: <u>828-738-8441</u> Fax: <u>828-738-8440</u>
BEN MCINTOSH	1 2 3 4 5 6	TAYLOR AND MURPHY 1121 BREVARD RD ASHEVILLE, NC 28816	Email: _____ Phone: <u>828-667-4526</u> Fax: _____
Josh Dayton	1 2 3 4 5 6	NCDOT Division 14	Email: <u>jbd Dayton@ncdot.gov</u> Phone: <u>828-586-2141</u> Fax: <u>828-586-4043</u>

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NAME	*PROJECT	COMPANY REPRESENTED AND ADDRESS	CONTACT INFORMATION
Curtis Colwell	1 2 3 4 5 6	Colwell Const. Co. Inc. 578 Rock Rd Blairsville, Ga 30512	Email: <u>Curtis.colwell@colwellconstruction.com</u> Phone: <u>706-745-6239</u> Fax: <u>706-745-9582</u>
Ron Higgins	1 2 3 4 5 6	Simpson Construction Cleveland, TN PO Box 2727 37320	Email: <u>rhiggins@simpsonconstruction.com</u> Phone: <u>423 472-4553</u> Fax: <u>423 472-9824</u>
Don White	1 2 3 4 5 6	Saddlebrook Const Inc PO BOX 216 Pickens, SC 29671	Email: <u>dwhite@saddlebrookconst.com</u> Phone: <u>864-898-1533</u> Fax: <u>864-898-0763</u>
Ross York	1 2 3 4 5 6	Palmetto Infrastructure Greenville S.C.	Email: <u>g.canniff@palmettoinf.com</u> Phone: <u>864 879 8166</u> Fax: <u>864 879 8167</u>
GREG TUTTLE	1 2 3 4 5 6	CAPE ROMAN CONTRACTORS INC.	Email: <u>tuttle@CAPEROMANCONTRACTORS.COM</u> Phone: <u>843-884-5167</u> Fax: <u>843-884-0516</u>

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NAME	*PROJECT	COMPANY REPRESENTED AND ADDRESS	CONTACT INFORMATION
Tanya Ball	1 2 3 4 5 6	Wright Brothers Construction Co. Inc 1500 Lauderdale Mem. Hwy. Charleston, TN 37310	Email: <u>msimpson@wsbeci.com</u> Phone: <u>423-336-2261</u> Fax: <u>423-336-2079</u>
DAVID SIMPSON	1 2 3 4 5 6	SIMPSON ENGINEERS & ASSOCIATES 5520 DILLARD DR. STE 120 CARY, NC 27518	Email: <u>DSIMPSON@SIMPSONENGR.COM</u> Phone: <u>919-852-0468</u> Fax: <u>919-852-0598</u>
Kevin Austin (Designer for B-5215, B-5216 & B-5217)	1 2 3 4 5 6	Mulkey Engineers & Consultants 6750 Tryon Rd Cary, NC 27518	Email: <u>kausth@mulkeyinc.com</u> Phone: <u>(919) 858-1790</u> Fax: <u>(919) 851-1918</u>
LASHAWN LOCKLEAR	1 2 3 4 5 6	The TARA Group of Lumberton Inc. 2700 NE Hwy 72 West Lumberton, NC 28360	Email: <u>taragroup@bellsouth.net</u> Phone: <u>910-739-8199</u> Fax: <u>910-272-0814</u>
KEVIN BURNS	1 2 3 4 5 6	RE BURNS & SONS	Email: <u>Kevinereburns.com</u> Phone: <u>7049248646</u> Fax: <u>-8607</u>

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NAME	*PROJECT	COMPANY REPRESENTED AND ADDRESS	CONTACT INFORMATION
CHRIS BROWN	<input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6	SANFORD CONTRACTORS INC. 628 ROCKY FORK CHURCH RD. SANFORD, NC 27332	Email: <u>cbrown@sandorelcontractors.com</u> Phone: <u>919-718-1021</u> Fax: <u>919-775-3406</u>
Clint Roberson	<input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6	Intercoastal Diving, Inc. 6101 Diamond Shamrock Rd. Castle Hayne, NC 28429	Email: <u>Clint@intercoastaldiving.com</u> Phone: <u>910-619-3441</u> Fax: <u>910-675-2546</u>
James Bateman	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6	Higdon Const. Co. 52 Robbinsville Rd. Andrews N.C. 28901	Email: <u>btinc@dnet.net</u> Phone: <u>828-361-1793</u> Fax: <u>828-321-2241</u>
Blayne Parton	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6	Owle Construction 120 Hoot Owl Rd. Whittier NC 28789	Email: <u>Bparton@owleconstruction.com</u> Phone: <u>828 497 8900</u> Fax: <u>828 497 4843</u>
Erick Frazier	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6	S.T. Wooten Corp. P.O. Box 2108 2408 Wilson NC 27894	Email: <u>Erick@STW Corp.com</u> Phone: <u>252-221-5167</u> Fax: <u>252-273-0901</u>

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Charlie Flowe	1 2 3 4 5 6	TGS Engineers	Email: <u>cflowe@tgsengineers.com</u> Phone: <u>(919) 319-8850</u> Fax: <u>(919) 319-6999</u>
Jim Terry	1 2 3 4 5 6	TGS Engineers	Email: <u>jterry@tgsengineers.com</u> Phone: <u>(919) 319-8850</u> Fax: <u>(919) 319-6999</u>
Zaki Wafa	1 2 3 4 5 6	SBMU - NCDOT	Email: <u>Zwafa@ncdot.gov</u> Phone: <u>919-835-8255</u> Fax: <u>919-733-2348</u>
	1 2 3 4 5 6		Email: _____ Phone: _____ Fax: _____
	1 2 3 4 5 6		Email: _____ Phone: _____ Fax: _____